

B1  
SUS  
D1

1. (Twice Amended) A light pipe for providing backlighting of a flat-panel display by means of at least one light source, comprising:

first surface, said surface including patterns having diffractive properties for coupling light out from the light pipe, said patterns comprising uniform, mutually different areas distributed on said first surface;

wherein the light pipe further comprise first pixel-like formations having a first orientation and second pixel-like formations having a second orientation being different than that of the first pixel-like formations orientation, residing close to the light input end of the light pipe, said pixel-like formations being arranged to diffract the light for producing uniform lighting.

B2  
SUS  
D2

17. (Twice Amended) A light pipe arrangement comprising:

a light source,  
a display,  
a light pipe, and  
a base plate of the light pipe,

wherein

the light pipe is limited by a first surface, said surface comprises patterns, said patterns have diffractive properties for coupling the light out from the light pipe, said patterns comprise uniform, mutually different areas with a distribution on said first surface; and

B2  
Conc'd  
SUB  
D3  
Conc'd

wherein the light pipe further comprise first pixel-like formations having a first orientation and second pixel-like formations having a second orientation being different than that of the first pixel-like formations orientation, residing close to the light input end of the light pipe, said pixel-like formations being arranged to diffract the light for producing uniform lighting.

Please add following claims: /

B3  
SUB  
D3

23. A light pipe for providing backlighting of a flat-panel display by means of at least one light source, comprising:

A first surface said surface including two dimensional patterns having diffractive properties for coupling light out from the light pipe, said patterns comprising uniform, mutually different areas distributed on said first surface.

24. A light pipe arrangement comprising:

a light source,  
a display, and  
a light pipe,

wherein

the light pipe is limited by a first surface, said surface comprises two dimensional patterns, said patterns have diffractive properties for coupling the light out from the light pipe, said patterns comprise uniform, mutually different areas with a distribution on said first surface.

B3  
Cont'd  
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25. A light pipe for providing backlighting of a flat-panel display by means of at least one light source, comprising:

first surface, said surface including pixel patterns having diffractive properties for coupling light out from the light pipe, said patterns comprising uniform, mutually different areas distributed on said first surface.

26. A light pipe arrangement comprising:

a light source,  
a display, and  
a light pipe,

wherein

the light pipe is limited by a first surface, said surface comprises pixel patterns, said patterns have diffractive properties for coupling the light out from the light pipe, said patterns comprise uniform, mutually different areas with a distribution on said first surface.

27. A light pipe for providing backlighting of a flat-panel display by means of at least one light source, comprising:

first surface, said surface including patterns having diffractive properties for coupling light out from the light pipe, said patterns comprising uniform, mutually different areas distributed on said first surface including close to said light source.

28. A light pipe arrangement comprising:

*B3  
conceded*  
a light source,  
a display, and  
a light pipe,

*Sub  
D3  
conceded*  
wherein

the light pipe is limited by a first surface, said surface comprises patterns, said patterns have diffractive properties for coupling the light out from the light pipe, said patterns comprise uniform, mutually different areas with a distribution on said first surface including close to said light source.

#### REMARKS

1. A marked-up version of the rewritten claims are attached hereto.

2. The present invention is a light pipe, which has at least one of the following features; a surface with two dimension patterns (pixels 902 and 903; p. 8, ll. 14-18), pixel patterns, or surface patterns which are close to a light source (Figs. 3 and 9A; p. 8, ll. 22-25). These features all help to provide a substantially uniform light output from a light pipe which is easy to make.

In contradistinction, Shiono shows a one dimensional array, no pixel patterns, and no surface patterns close to the light source.

Claims 1 and 17 have been amended to recite all of the above features. Thus the rejection of claims 1-10, 12, and 15-22 under 35 USC 102 on Shiono should be withdrawn. Further, since